

Operating lamp with LED



degréK
www.degrek.com

Dental operating lamps equipped with safe LEDs.

They preserve eye health, ensure the best comfort in the entire treatment room, and increase work performance.

degréK

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LED operating lamp

Degré K LED operating lamps are designed for total safety of use. Their spot lights «Blue Control» have no toxic blue point. Depending on the model, they come with neutral-white or complex LEDs.

Lighting quality of the «Blue Control» LED spot light

- Spectrum has no toxic blue point
- Powerful surgical spot: it lights up the whole mouth, in all its dimensions
- Very long-life LED avoids bulb changes
- No pre-polymerisation effect on composites

Powerful lighting «Blue Control» conforming to the ISO 9680 standard without any conveyed shadows

Specifically designed to ensure the necessary asepsis

- IP 50 Degree of protection & disinfected surfaces
- «No Touch» control
- dismantlable and sterilisable handles

Confort au quotidien

- no spurious noise and no released heat
- rotational lighting head along 3 axis
- very flexible articulations

2 Operating lamps, in 2 versions

P (ceiling mounting) ou E (unit mounting)

LOLé 2

Neutral-white LED operating lamp, with 5 light power levels

LOLé 4

Complex LED operating lamp, with a very wide and perfectly uniform light spot in an adjustable natural daylight spectrum:

1. **General practice**: D50 / medium lighting
2. **Cosmetic**: D65 / low lighting
3. **Surgery**: D50 / high lighting
4. **Zoom**: D65 / high lighting

Made in France – Eco-friendly

100% recyclable



Operating lamp with complex D65 LEDs

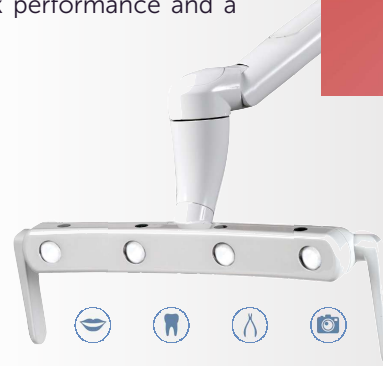
LOLé 4 : operating lamp whose spectrum reproduces the natural light to a wide spot perfectly uniform. It ensures a total comfort, the best work performance and a totally harmless LED light.

Size and uniformity of the light spot

The very large light spot of the LOLé 4 is rectangular, with clearly-defined edges, evenly lit over the whole area

- Size 200mm x 120mm
- Illumination: adjustable on 4 programs
- No lighting of the patient's eyes

The uniformity of the very large spot enables visual acuity to be improved very significantly with regulated lighting power. It is never necessary to re-adjust the surgical light during a session. Free of contrasts and glare, the eye works to the best of its capability and ages less.



«Blue Control» LEDs reproducing natural daylight

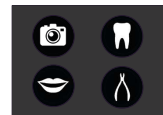
- No blue toxicity, or acceleration of photopolymerisation
- LED luminance perfectly controlled by spectral regulation
- Continuous and complete light spectrum, reproducing natural daylight



4 programs: ease of use and operator comfort

The optimum "spectrum/power" combinations for each type of dental act have been defined. They all limit the blue point, even when lighting power is increased.

1. **General practice:** D50 / medium lighting
2. **Cosmetic:** D65 / low lighting
3. **Surgery:** D50 / high lighting
4. **Zoom:** D65 / high lighting



Colour of light

The complex LED technology re-constitutes the continuous and complete spectrum of natural light and varies it, so there is always the most suitable light for the procedure:

Natural daylight D65 for cosmetic dentistry and image acquisition for the prosthesis specialist. It ensures perfect colour recognition in the dentist's chair, for successful reconstruction.

Natural daylight D50 for general practice and dental surgery. This spectrum is equivalent to late afternoon daylight. It ensures better visibility of red shades (blood, soft tissue ulcers) and yellow shades (dental caries, enamel fractures and plaque). Diagnosis is more accurate and treatment is facilitated.



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Neutral-white LED operating lamp

LOLé 2 : LED dental operating lamp designed for total safety of use. The spot light has no toxic blue point. It lights up the whole mouth.

Secured spot «Blue Control» Colour of light 4300K

LOLé 2 LEDs emit a neutral-white 4300K light free from the dangerous blue point so that the dentist eyes are protected from the blue light toxicity.

LED component that is used is natively in 4300K. It emits a very high quality light, even during the polymerisation steps. Filters or the addition of yellow LEDs are useless.

The LOLé operating spotlight covers the entire mouth – even the largest – with a very powerful light, without pre-polymerisation effects of composites.



Illumination power adjustable

5 illumination levels



Design : Luis Jaramillo

	LOLé 4	LOLé 2
colour temperature	D50 to D65	neutral-white: 4300K
illumination programs	4	1
Degree of protection (IP)	IP50	IP50
Surface disinfectable	yes	yes
Luminous flux (lumen)	70 to 360	32 to 160
Taille de la tache lumineuse (mm)	200x120	180x75
Lighting head dimensions (mm)	L 284 x 39 x H 45	L 292 x 94 x H 62
Light sources	complex LEDs	neutral-white LEDs 1 W
Head + arm weight	± 6 kg	± 6 kg
Finition	white RAL9016	white RAL9016
Versions	Ceiling (.P) Unit (E)	Ceiling (.P) Unit (E)
Handles sterilisation	autoclav	autoclav

Made in France.
EN ISO 9001/2008
EN13485:2003 +
AC:200 | ISO9680 |
CE Medical 93/42/
CEE class 1-B DM |
EN60601-1-2 (2007)
- EN60601-1 (2006)
| Light Head to be
placed at 70cm from
the operating area |
Please read verbatim
instructions before
using the equipment.
Eco-Friendly